

# 80 PLUS Verification and Testing Report

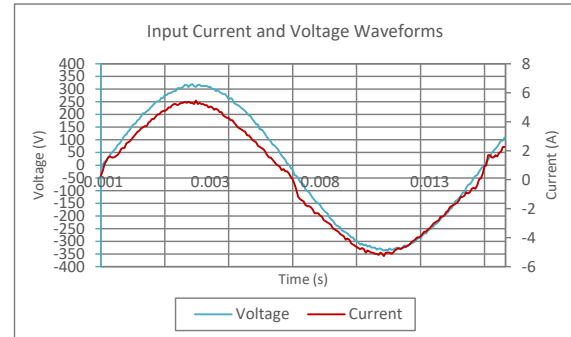
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.33%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>95.51%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1291.1
<b>Manufacturer</b>	Murata
<b>Model Number</b>	D1U86T-W-1600-12-HB4C
<b>Serial Number</b>	NA7500005XB4
<b>Year</b>	2017
<b>Type</b>	CUSTOM
<b>Test Date</b>	07/14/17

Rated Specifications	Value	Units
Input Voltage	100-120 / 200-240	Volts
Input Current	18 / 9	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,600	Watts

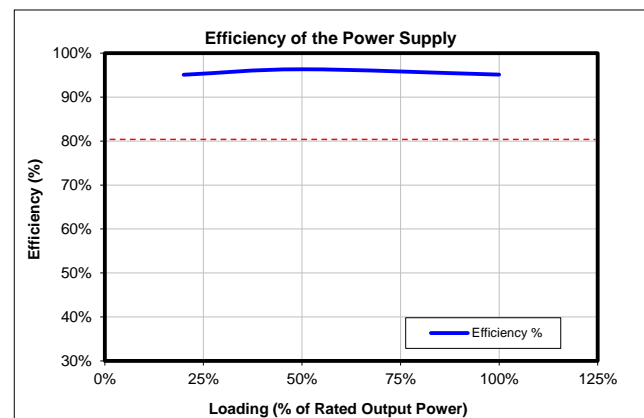
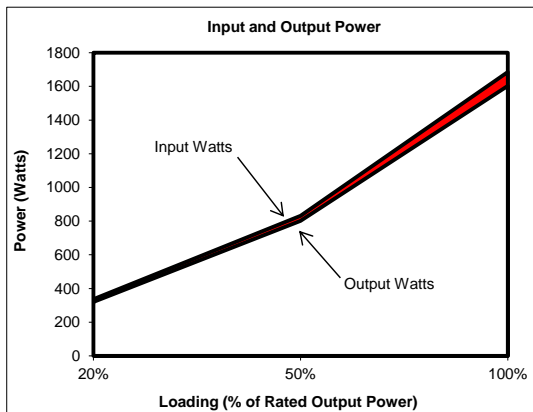
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.01%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	12Vsb		
0.84	0.90	15.30	10%	Low	174	0.84	11.99/13.03	11.98/0.34	160	92.36%
1.54	0.95	5.74	20%	Light	337	0.84	12.00/26.05	11.97/0.69	321	95.09%
3.64	0.99	4.01	50%	Typical	832	2.40	12.00/65.1	11.94/1.72	802	96.33%
7.36	1.00	3.18	100%	Full	1685	4.92	12.00/130.02	11.87/3.43	1603	95.12%

\* Fan power is not included in the efficiency calculations



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

